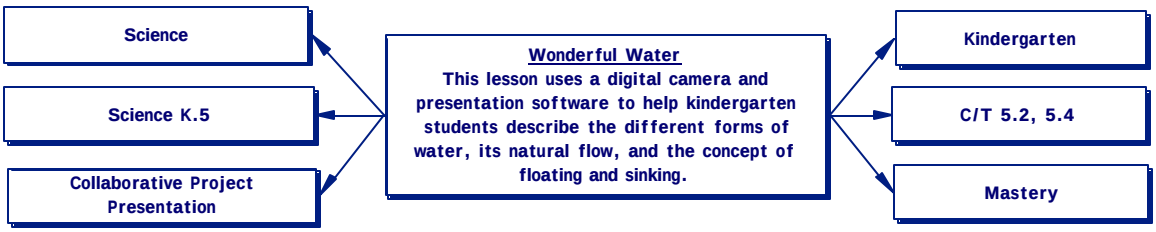

Wonderful Water
(Yikes! There's Water in the Computer!)

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Curriculum Area	Science
Subject Area	Matter
Grade Level	Kindergarten
Learning Objectives	• The student will be able to describe the different forms of water. • The student will be able to describe objects that float and sink. • The student will be able to describe the natural downhill flow of water.
Correlation to the SOL	Science K.5 C/T 5.2, 5.4
Video/Technology Hardware/Software Needed	**For class:** Multimedia computer Computer Projector System Printer (optional) Presentation software (such as *HyperStudio* or *PowerPoint* or *ClarisWorks*) Digital Camera
Materials Required	**For class:** Small objects that float or sink (paper, ball of aluminum foil, blocks, corks, nails, pennies, etc.; small pan of water Reference weather pictures (clouds, rain, ocean, etc.)
Procedures/Activities	1. Teacher preparation: Prepare a *HyperStudio* stack of blank pages with connecting buttons, or set up a blank *PowerPoint* presentation or *ClarisWorks* slideshow. 2. Have the students do simple experiments to determine whether familiar materials sink or float. Take digital pictures of the objects. Put the (small) pictures into the stack on one of the pages, and let the children label them "sink" or "float". Labels may be done with typing, or with recorded voices. 3. Take pictures of weather phenomena as it occurs (rain, snow, fog, etc.), use scanned images, or use images from the Internet. Insert those pictures into the presentation, with labels and/or explanations from the students. Let the students describe the water state (liquid, solid…) in the pictures using typing, recorded voices, or dictation. 4. For the third part of the presentation, have the students make drawings of water pouring from a cup, or waterfalls, or their own ideas. Let the students draw arrows on their pictures to show the direction of the flow of water.

	5. As a class, agree on a title and final format of the presentation. Be sure to let the students put their names in the credits!
Content Assessment	Checklist and observation: Did the students put appropriate labels in the presentation? Do their drawings indicate an understanding of the topic?
Technology Integration Assessment	Checklist and observation: Were the students able to use drawings and labels effectively to communicate the concepts in the presentation?
Extensions	**Art:** Print the student's water pictures onto iron-on transfer paper, and transfer the pictures onto squares of fabric. Make a class Water Quilt. **Music:** Have the students make and record rhythmical water sounds, such as water dripping, splashing, bubbling, crunching footsteps in snow, ringing a spoon against ice, or rain coming from a downspout. Play back the sounds and do an original water dance. **Social Studies:** Look at pictures of boats made by people in different Native American cultures (don an Internet search!). Talk about what the boats are made of (logs, reeds, etc.) and compare them to the results of your experiments.